



Missouri
Department of
Natural Resources

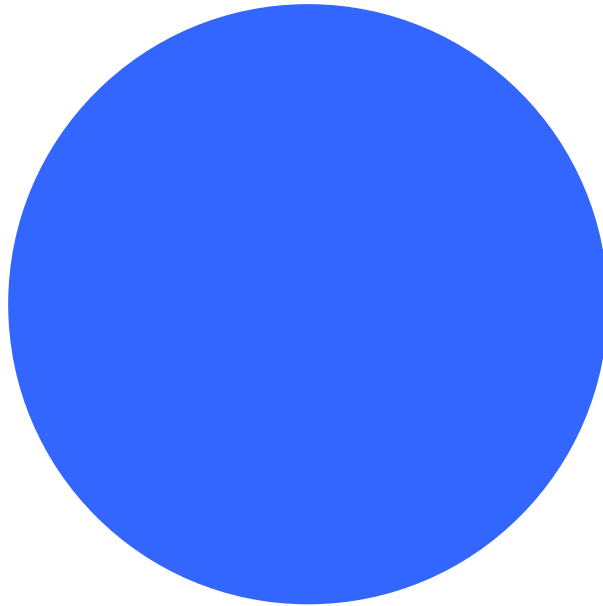
Power Plant: Audrain Generating Station
Plant Owner: Union Electric Company
Power generated in 2009 from non-renewable and renewable sources

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated in 2009 (MWh)	Percent of Total	
Non-renewable sources						
Coal-fired power						
Natural gas-fired power	412,569	100.00%		25,108	100.00%	
Oil-fired power						
Nuclear power						
Other non-renewable power						
Non-renewable total	412,569	100.00%	100.00%	25,108	100.00%	100.00%
Renewable sources						
Hydroelectric Power						
Wind						
Waste and biomass						
Solar						
Geothermal						
Landfill Gas						
Renewable total	0	0.00%	0.00%	0	0.00%	0.00%
Grand total all sources	412,569		100.00%	25,108		100.00%

Fuel Type	Physical Units	Number of Units
Natural Gas	Mcf	408,246



Net Generation by Fuel Type, 2009 for Audrain Generating Station



■ Natural gas-fired power:
100.00%



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Audrain Generating Station
Emissions from Electricity Generated in 2009

Plant	Carbon Dioxide(CO2) (Tons)	Carbon Monoxide(CO) (Tons)	Ammonia (NH3) (Tons)	Nitrogen Oxides (NOx) (Tons)	Sulfur Dioxides (SO2) (Tons)
Audrain Generating Station	19,477.00	11.70	NV	19.91	0.13

Plant	Volatile Organic Compounds (VOC) (Tons)	Course Particulate Matter (PM10) (Tons)	Fine Particulate Matter (PM2.5) (Tons)	Mercury (Hg) (LBS)
Audrain Generating Station	0.41	2.21	NV	NV

'NV' = Emissions value not available.



Pollution controls installed on Audrain Generating Station

SO2 Controls			
Plant	Control Equipment	Sorbent Type	Operational Efficiency
Audrain Generating Station	No SO2 Controls Installed		

NOX Controls				
Plant	Device Type	Description	Capture Efficiency	Control Efficiency
Audrain Generating Station	LOW NOX BURNERS	DRY LOW NOX BURNER	100.00%	70.00%

Data Sources

- Emissions Data: Missouri Department of Natural Resources, Air Pollution Control Program, Missouri Emissions Inventory System (MOEIS)
<http://www.dnr.mo.gov/env/apcp/moeis/emissionsreporting.htm>
- CO2 Emissions calculated by Missouri Department of Natural Resources, Division of Energy, from EIA Fuel Consumption Data
- Fuel Consumption and Generation Data: United States Energy Information Administration, Form 923, United States Department of Energy
http://www.eia.gov/cneaf/electricity/page/eia906_920.html